

03040202-040

(Flat Creek)

General Description

Watershed 03040202-040 is located in Lancaster County and consists primarily of **Flat Creek** and its tributaries. The watershed occupies 31,017 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Blanton-Goldston-Badin series. The erodibility of the soil (K) averages 0.12; the slope of the terrain averages 12%, with a range of 2-45%. Land use/land cover in the watershed includes: 84.7% forested land, 10.0% agricultural land, 4.4% scrub/shrub land, 0.5% barren land, 0.2% urban land, and 0.2% water.

Flat Creek accepts drainage from Baker Creek (Ellis Creek), Childers Creek (Mine Branch), and Big Double Branch (Little Double Branch) in the upper portion of the watershed. Further downstream, Lick Creek flows into Flat Creek followed by Lick Run (Mill Branch) and Dry Creek. The Flat Creek Watershed flows into the Lynches River. There are a few ponds (totaling 16.5 acres) and a total of 79.1 stream miles in this watershed, all classified FW. An additional natural resource is the Heritage Trust Preserve surrounding Flat Creek and a tributary downstream from Lick Creek.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-182	BIO	FW	FLAT CREEK AT SR 601
PD-342	W	FW	FLAT CREEK AT S-29-123

Flat Creek - There are two monitoring sites along Flat Creek. Aquatic life uses are partially supported at the upstream site (**PD-182**) based on macroinvertebrate community data. At the downstream site (**PD-342**), aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM	NPDES#
FACILITY NAME	TYPE
PERMITTED FLOW @ PIPE (MGD)	LIMITATION
COMMENT	
CHILDERS CREEK MINERAL MINING CORP. PIPE: 001 FLOW: M/R	SCG730049 MINOR INDUSTRIAL EFFLUENT

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME

FACILITY TYPE

PERMIT #

STATUS

MINING ROAD C&D LANDFILL
CONSTRUCTION

292440-1201

Growth Potential

There is a low potential for growth in this predominantly rural watershed.